

LOCKHEED CALIFORNIA COMPANY		ENGINEERING STUDY <input checked="" type="checkbox"/>		LAC 133						
DATE 24 JULY 1962		AFFECTS: WSPO <input checked="" type="checkbox"/>		PROJECT <input checked="" type="checkbox"/>						
NAME OF MAJOR COMPONENT EJECTION SEAT SYSTEM		PART OR LOWEST SUBASSEMBLY CATAPULT		PART NO. & MODEL OR TYPE						
TITLE OF PROPOSAL : QUALIFICATION OF ROCKET POWER CATAPULT P/N 2202-11										
NATURE OF PROPOSAL : TO CONTRACT A QUALIFICATION TEST PROGRAM ON THE P/N 2202-11 CATAPULT AS OUTLINED ON PAGE 2.										
REASON FOR PROPOSAL : TO QUALIFY THE ROCKET POWER P/N 2202-11 CATAPULT FOR USE IN THE EJECTION SEAT SYSTEM.										
ES	ESTIMATED COST AND TIME INVOLVED : \$18,280 (Qualification Testing) 6 Weeks ADDITIONAL FUNDING REQUIRED : NONE SP-1923									
CP	ESTIMATED COST FOR KITS OR PARTS : - ADDITIONAL FUNDING REQUIRED : -									
ITEMS AFFECTED BY PROPOSAL : P/N 2202-11 CATAPULT										
SAFETY <input checked="" type="checkbox"/>	MISSION EFFECTIVENESS <input type="checkbox"/>	PERFORMANCE <input type="checkbox"/>	OPERATING PROCEDURE <input type="checkbox"/>	INTER- CHANGE- ABILITY <input type="checkbox"/>	WEIGHT OR WEIGHT & BALANCE <input type="checkbox"/>	TOOLS & SUPPORT EQUIPMENT <input type="checkbox"/>	MAINTENANCE PROCEDURE <input type="checkbox"/>	SERVICE LIFE <input type="checkbox"/>	FLIGHT MANUAL <input type="checkbox"/>	MAINTENANCE MANUAL <input type="checkbox"/>
EST. MAN/HRS. REQ'D. TO ACCOMPLISH CHANGE IN FIELD NONE										
SOURCE OF PARTS FOR KIT				AVAILABILITY - WEEKS AFTER APPROVAL						
DISPOSITION OF SPARES AFFECTED Disapproved in favor of LAC-132 STAT										
INITIATED BY : Approved For Release 2002/10/31 : CIA-RDP89B00980R000200180058-1				APPROVED : WSPO Disapproved PROJECT						

CARTRIDGE TESTS Spec MIL-C-25918

DIFFERENTIAL PRESSURE CYCLING 20 cartridges

See para. 4.2.3.4.1 for procedure

VIBRATION TEST 20 cartridges. Procedure XII Spec. Mil E-5272
with high temp. of 200°F

See para. 4.2.3.4.2 for procedure

SALT SPRAY 20 cartridges. Procedure I, Spec. Mil E-5272

See para. 4.3.2.3 for procedure

X-RAY All cartridges

See para. 4.3.2.4.3

CATAPULT TESTS

Firings: * 10 units @ -65°F

** 10 units @ +70°F

* 10 units @ +200°F (press. accel. thrust vs. time)

SEAT FIRINGS

One (preferably 2) thru canopy ***

NOTES:

1. Unit must not exceed 20-22 G or G allowable (250G/sec. max.
for 30 milliseconds)
2. Hydrostatic test the catapult tubes for 1.5 times max. operating
pressure (high temp.) for 15 seconds.

* Three of these have already been fired

** One of these has been fired locked shut

*** Four of these have been fired